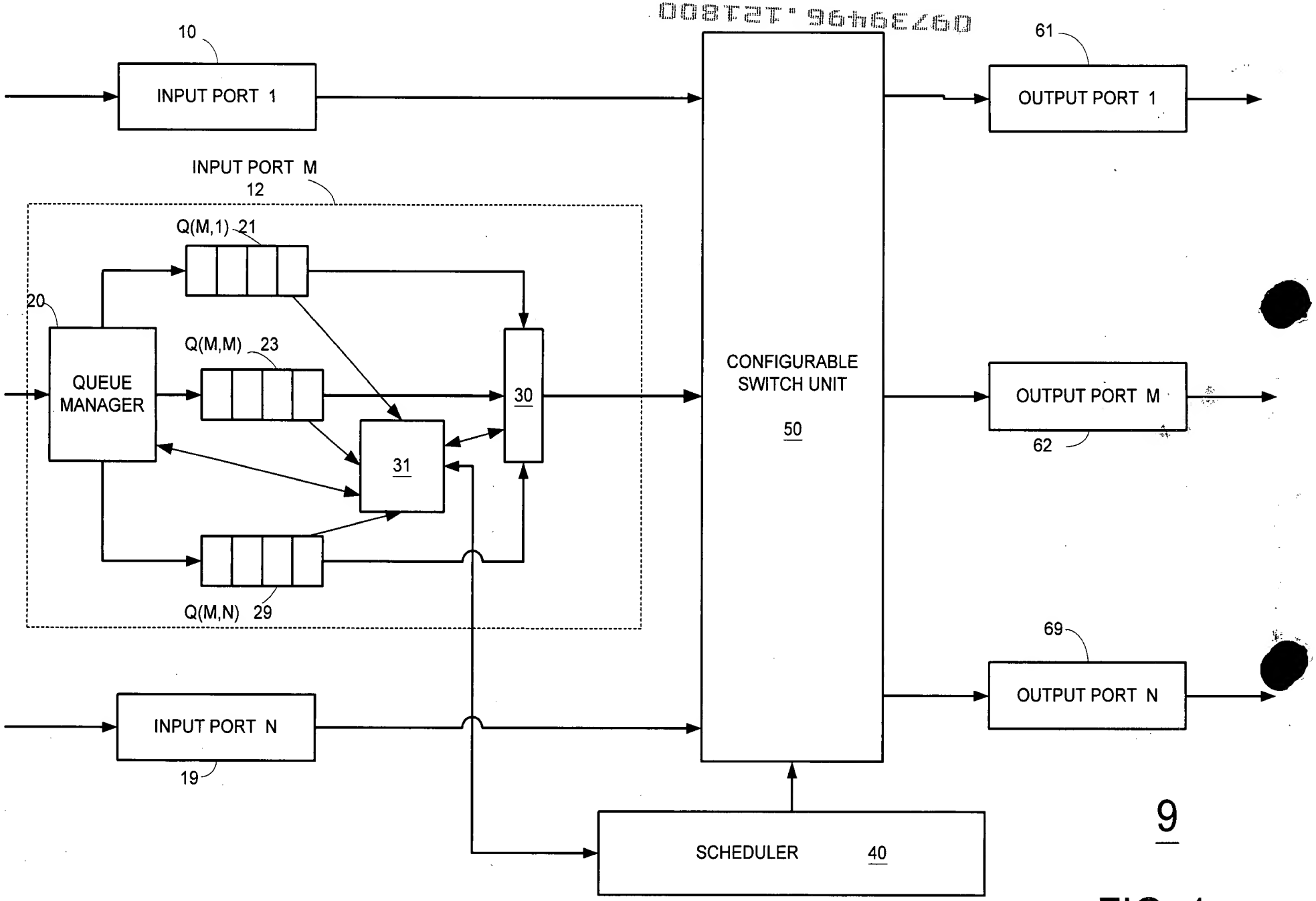
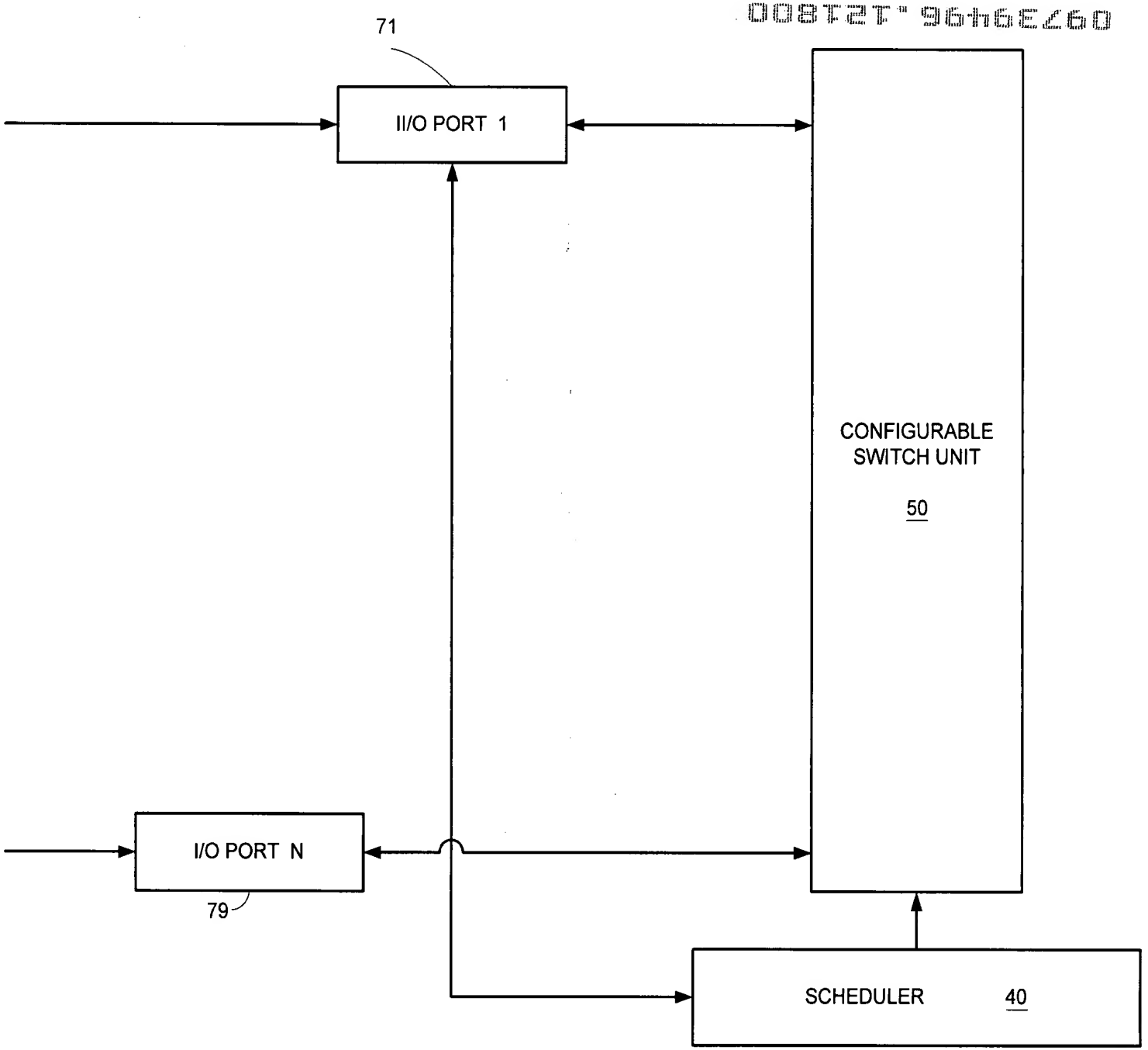

10
INPUT PORT 1
INPUT PORT M
12
Q(M,1) 21
20
QUEUE MANAGER
Q(M,M) 23
30
31
Q(M,N) 29
INPUT PORT N
19
CONFIGURABLE SWITCH UNIT
50
SCHEDULER 40
61
OUTPUT PORT 1
OUTPUT PORT M
62
69
OUTPUT PORT N
9

FIG. 1

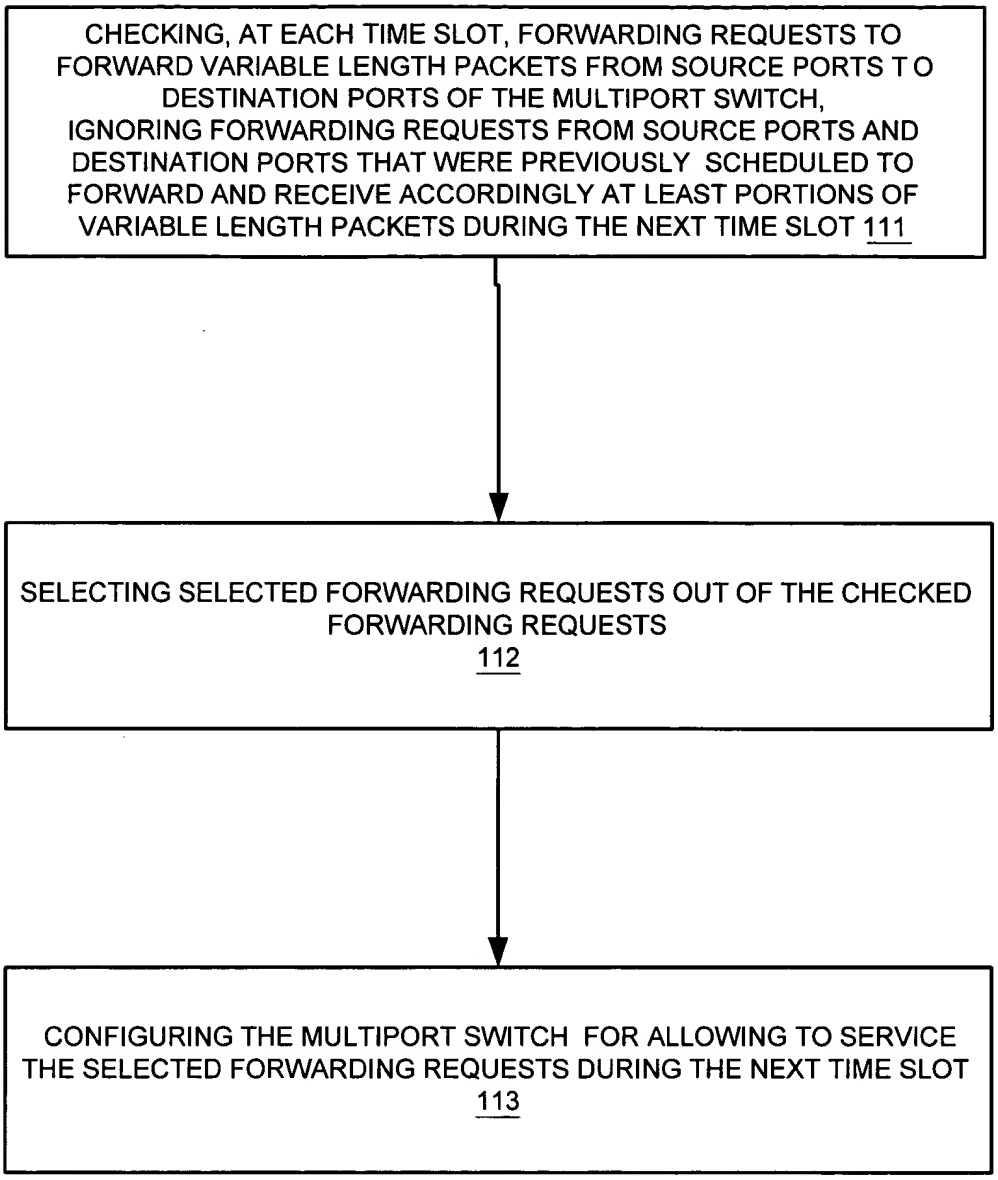
008T2T* 96h6E260



9'

FIG. 2

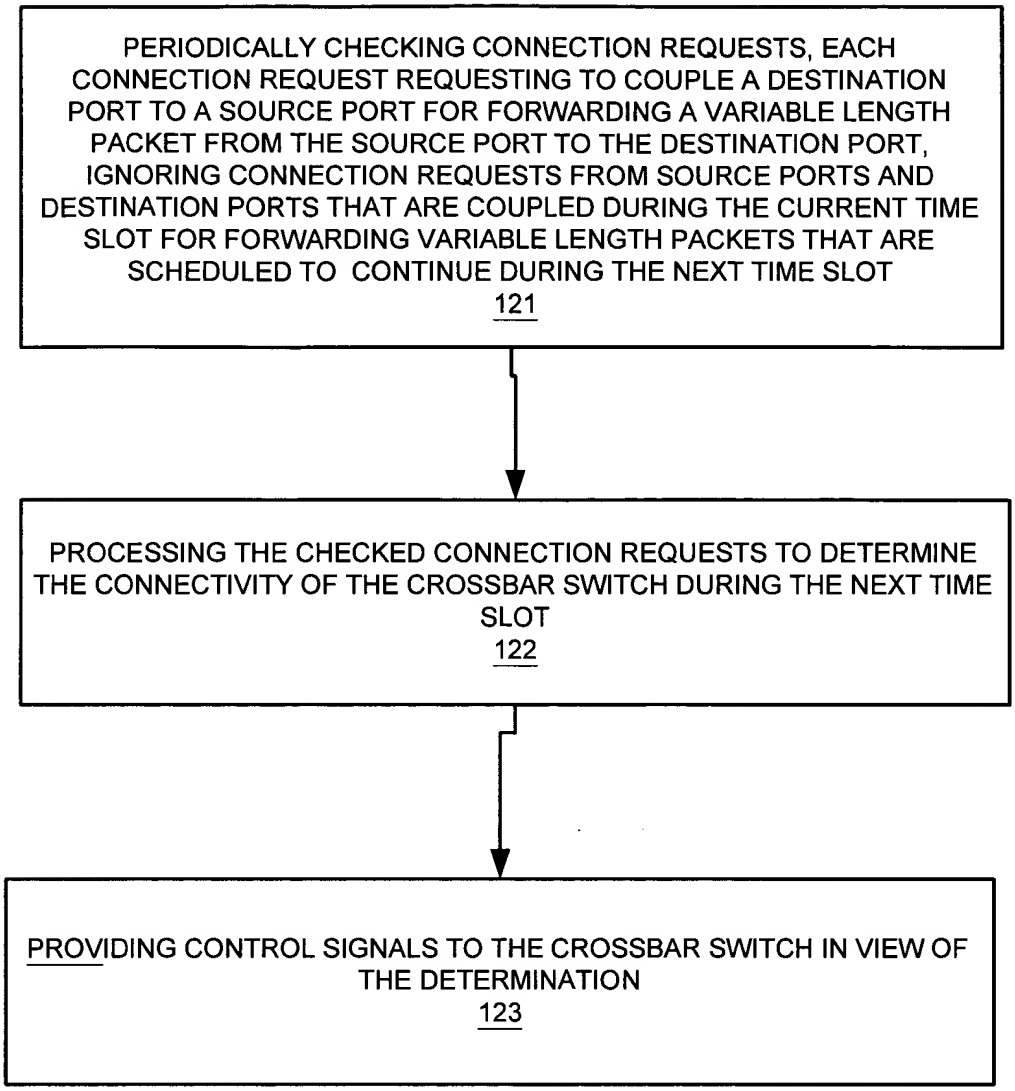
09734569 - 042806



110

FIG. 3

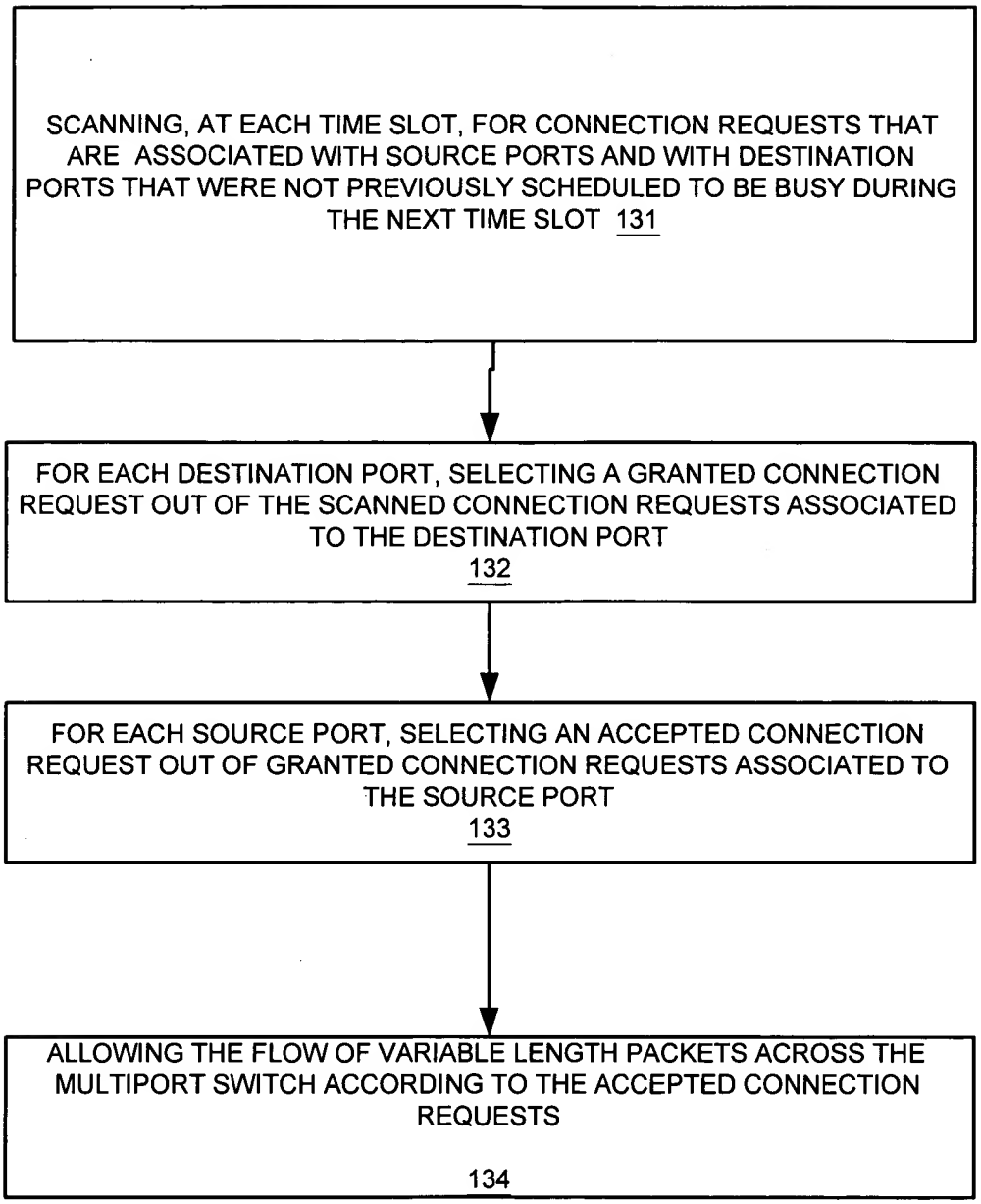
08814-96465/60



120

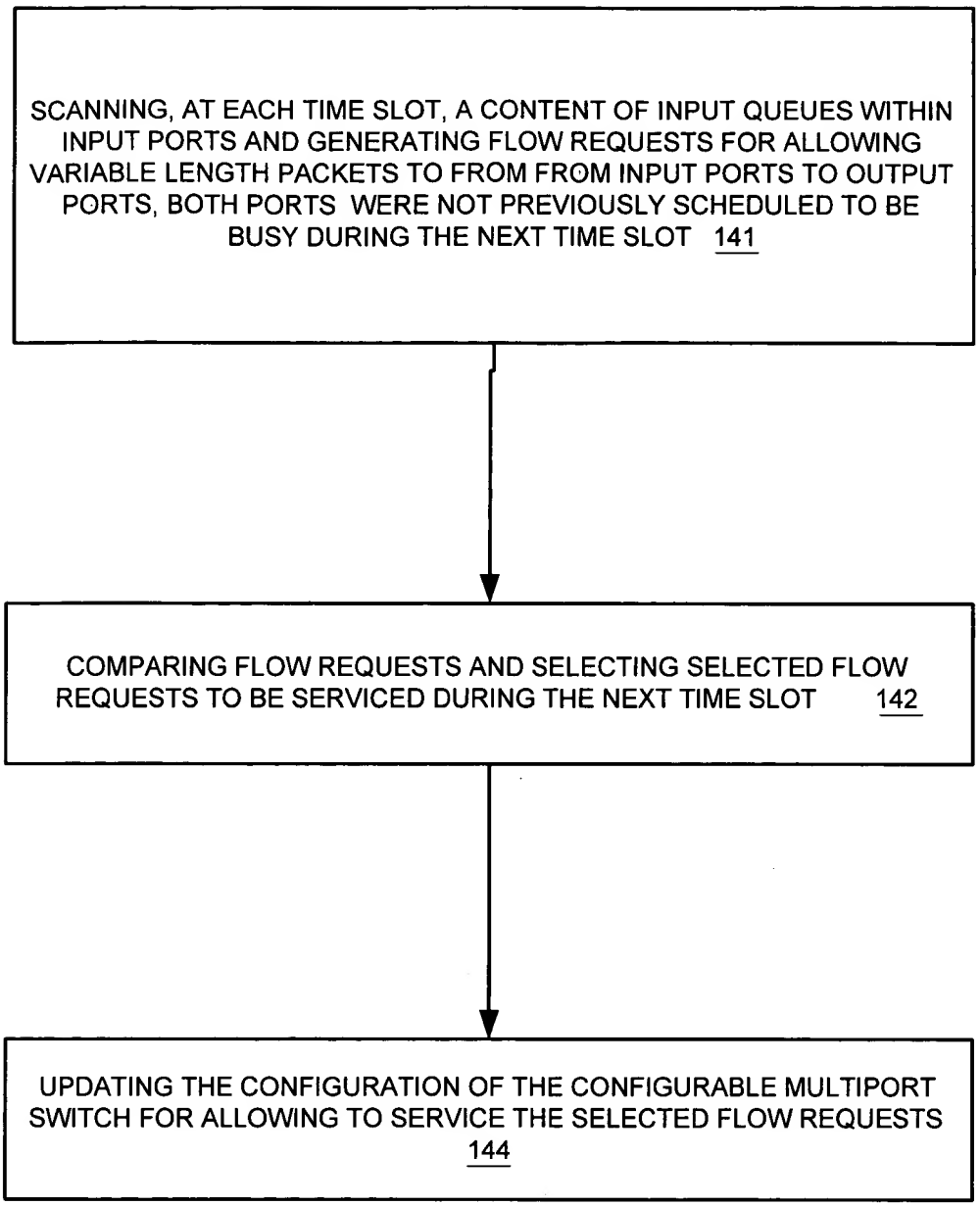
FIG. 4

09674950 - 0060742



130

FIG. 5


SCANNING, AT EACH TIME SLOT, A CONTENT OF INPUT QUEUES WITHIN INPUT PORTS AND GENERATING FLOW REQUESTS FOR ALLOWING VARIABLE LENGTH PACKETS TO FROM FROM INPUT PORTS TO OUTPUT PORTS, BOTH PORTS WERE NOT PREVIOUSLY SCHEDULED TO BE BUSY DURING THE NEXT TIME SLOT 141
COMPARING FLOW REQUESTS AND SELECTING SELECTED FLOW REQUESTS TO BE SERVICED DURING THE NEXT TIME SLOT 142
UPDATING THE CONFIGURATION OF THE CONFIGURABLE MULTIPORT SWITCH FOR ALLOWING TO SERVICE THE SELECTED FLOW REQUESTS 144

140

FIG. 6